CLAIM AMENDMENTS

Please amend the claims as described below. In accordance with 37 CFR §1.121, a complete listing of all claims in the application is provided below. The status of each claim is indicated in the parenthetical expression adjacent to the corresponding claim number.

Claims 1-31 (Canceled).

- 1 32. (Currently Amended) An electromechanical device comprising: 2 a substrate; 3 an insulation layer disposed on the substrate; 4 a first semiconductor layer disposed on or above the insulation layer; 5 an anchor that is disposed in an opening in the insulation layer and the first 6 semiconductor layer and contacts the substrate, wherein the anchor includes a material 7 that is different than the insulation layer: 8 a second semiconductor layer, disposed on the anchor and on the first 9 semiconductor layer; and 10 a fixed electrode, formed, in part, from the first and second semiconductor layers, wherein the fixed electrode is affixed to the substrate via the anchor. 11
- 33. (Previously Presented) The device of claim 32 wherein the anchor includes
 silicon nitride, silicon carbide, germanium, silicon/germanium or gallium arsenide.
- 1 34. (Previously Presented) The device of claim 32 wherein the insulation layer includes silicon nitride or silicon oxide.

- 35. (Previously Presented) The device of claim 32 further including a moveable 1 electrode, juxtaposed the fixed electrode, wherein the moveable electrode is formed in part 2 3 from the second semiconductor layer.
- 36. (Previously Presented) The device of claim 35 wherein the insulation layer 1 includes silicon oxide and the anchor material includes silicon nitride, silicon carbide, 2 3 germanium, silicon/germanium or gallium arsenide.
- 1 37. (Previously Presented) The device of claim 35 wherein the insulation layer includes silicon oxide and the anchor material includes silicon, silicon carbide, germanium, 2 3 silicon/germanium, or gallium arsenide.
- 1 38. (Previously Presented) The device of claim 35 wherein the insulation layer 2 includes silicon nitride and the anchor material includes silicon, silicon oxide, silicon 3 carbide, germanium, silicon/germanium or gallium arsenide.
- 39. (Previously Presented) The device of claim 32 wherein a substantial portion 1 2 of the fixed electrode overlying the anchor material is a monocrystalline silicon.
- 1 40. (Previously Presented) The device of claim 32 wherein a substantial portion of the fixed electrode overlying the anchor material is a polycrystalline silicon. 2
 - 41. (Currently Amended) The device of claim 32 further including:

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- a chamber, defined in part by a first encapsulation layer having at least one vent;

 a moveable electrode disposed in the chamber and juxtaposed the fixed electrode;

 a second encapsulation layer, deposited over or in the <u>at least one</u> vent, to thereby

 seal the chamber, wherein the second encapsulation layer includes a semiconductor

 material.
- 1 42. (Previously Presented) The device of claim 41 wherein the second 2 encapsulation layer includes polycrystalline silicon, porous polycrystalline silicon, amorphous silicon, silicon carbide, silicon/germanium, germanium or gallium arsenide.
- 43. (**Previously Presented**) The device of claim 42 wherein the first encapsulation layer includes polycrystalline silicon, porous polycrystalline silicon, amorphous silicon, germanium, silicon/germanium, gallium arsenide, silicon nitride or silicon carbide.
 - 44. (Previously Presented) The device of claim 41 wherein:
- the first encapsulation layer is a semiconductor material that is doped with a first impurity to provide a first region of a first conductivity type, and
 - the semiconductor material of the second encapsulation layer is doped with a second impurity to provide a second region with a second conductivity type and wherein the first conductivity type is opposite the second conductivity type.
- 1 45. (Previously Presented) The device of claim 41 further including a contact 2 having at least a portion that is disposed outside the chamber.

- 1 46. (Previously Presented) The device of claim 41 wherein a first portion of the
- 2 first encapsulation layer is a monocrystalline silicon and a second portion of the first
- 3 encapsulation layer is a polycrystalline silicon.
- 1 47. (Previously Presented) The device of claim 41 wherein a first portion of the
- 2 first encapsulation layer is a monocrystalline sillcon and a second portion of the first
- 3 encapsulation layer is a porous or amorphous silicon.
- 1 48. (Previously Presented) The device of claim 47 wherein the second
- 2 encapsulation layer overlying the second portion of the first encapsulation layer is a
- 3 polycrystalline silicon.
- 1 49. (Previously Presented) The device of claim 48 includes a field region
- 2 disposed outside and above the chamber wherein the field region is a monocrystalline
- 3 silicon.
- 1 50. (Currently Amended) An electromechanical device comprising:
- 2 a substrate;
- an insulation layer disposed on the substrate;
- 4 a first semiconductor layer disposed on <u>or above</u> the insulation layer;
- an anchor that is disposed in an opening in the insulation layer and the first
- 6 semiconductor layer and contacts the substrate, wherein the anchor includes a material
- 7 that is different than the insulation layer;

8	a second semiconductor layer, disposed on the anchor; and
9	a fixed electrode, formed, in part, from the second semiconductor layer, wherein the
10	fixed electrode is affixed to the substrate via the anchor;
11	a moveable electrode, formed in part from the second semiconductor layer, whereir
12	the moveable electrode is disposed in a chamber wherein the chamber is defined in part by
13	a first encapsulation layer;
14	a second encapsulation layer, deposited over or in the at least one vent, to thereby
15	seal the chamber, wherein the second encapsulation layer includes a semiconductor
16	material;
17	a contact; and
18	a trench, disposed around at least a portion of the contact, wherein the trench is
19	disposed outside the chamber and wherein the trench includes a first material disposed
20	therein to electrically isolate the contact.
1	51. (Previously Presented) The device of claim 50 wherein the second
2	encapsulation layer includes polycrystalline silicon, porous polycrystalline silicon,
3	amorphous silicon, silicon carbide, silicon/germanium, germanium, or gallium arsenide.
1	52. (Previously Presented) The device of claim 51 wherein the first encapsulation
2	layer includes polycrystalline silicon, porous polycrystalline silicon, amorphous silicon,
3	germanium, silicon/germanium, gallium arsenide, silicon nitride or silicon carbide.

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- 1 53. (Previously Presented) The device of claim 50 wherein the first material is disposed on at least the outer surfaces of the trench. 2
 - 54. (Currently Amended) The device of claim 53 wherein the trench includes a second semiconductor material is disposed in the trench, wherein the semiconductor material is surrounded by the first material in the trench and wherein the second material is a semiconductor material.
- 1 55. (Previously Presented) The device of claim 53 wherein the trench is disposed 2 on an etch stop region.
- 56. (Previously Presented) The device of claim 53 wherein the etch stop region is 1 2 a silicon nitride or silicon dioxide.
- 1 57. (Previously Presented) The device of claim 53 wherein the first material is a 2 silicon nitride or silicon dioxide.
- 1 58. (Previously Presented) The device of claim 53 wherein the trench surrounds 2 the contact.
- 59. (Previously Presented) The device of claim 50 wherein the anchor includes 1 silicon nitride, silicon carbide, germanium, silicon/germanium or gallium arsenide. 2

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- 1 60. (**Previously Presented**) The device of claim 50 wherein the insulation layer 2 includes silicon nitride or silicon oxide.
- 1 61. (Previously Presented) The device of claim 50 wherein the insulation layer
- 2 includes silicon oxide and the anchor material includes silicon nitride, silicon carbide,
- 3 germanium, silicon/germanium or gallium arsenide.
- 1 62. (Previously Presented) The device of claim 50 wherein the insulation layer
- 2 includes silicon nitride and the anchor material includes silicon, silicon oxide, silicon
- 3 carbide, germanium, silicon/germanium or gallium arsenide.
- 1 63. (Previously Presented) The device of claim 50 wherein a substantial portion
- 2 of the fixed electrode overlying the anchor material is a monocrystalline silicon.
- 1 64. (Previously Presented) The device of claim 50 wherein a substantial portion
- 2 of the fixed electrode overlying the anchor material is a polycrystalline silicon.
- 1 65. (NEW) An electromechanical device comprising:
- 2 a substrate;
- 3 an insulation layer disposed on the substrate;
- 4 a first semiconductor layer disposed on or above the insulation layer;

•	an anonor that is disposed in an opening in the insulation layer and the first
6	semiconductor layer and contacts the substrate, wherein the anchor includes a material
7	that is different than the insulation layer;
8	a second semiconductor layer, disposed on the anchor and on the first
9	semiconductor layer;
10	a fixed electrode, formed, in part, from the first and second semiconductor layers,
11	wherein the fixed electrode is affixed to the substrate via the anchor;
12	a moveable electrode, formed in part from the second semiconductor layer, wherein
13	the moveable electrode is disposed in a chamber wherein the chamber is defined in part by
14	a first encapsulation layer;
15	a second encapsulation layer, deposited over or in at least one vent, to thereby seal
16	the chamber, wherein the second encapsulation layer includes a semiconductor material;
17	a contact; and
18	a trench, disposed around at least a portion of the contact, wherein the trench is
19	disposed outside the chamber and wherein the trench includes an insulating material
20	disposed therein.
1	66. (NEW) The device of claim 65 wherein the second encapsulation layer includes
2	polycrystalline silicon, porous polycrystalline silicon, amorphous silicon, silicon carbide,

silicon/germanium, germanium, or gallium arsenide.

- 1 67. (NEW) The device of claim 66 wherein the first encapsulation layer includes
- 2 polycrystalline silicon, porous polycrystalline silicon, amorphous silicon, germanium,
- 3 silicon/germanium, gallium arsenide, silicon nitride or silicon carbide.
- 1 68. (NEW) The device of claim 65 wherein the insulating material is disposed on at
- 2 least the outer surfaces of the trench.
- 1 69. (NEW) The device of claim 68 wherein a semiconductor material which is
- 2 disposed in the trench, wherein the semiconductor material is surrounded in the trench by
- 3 the insulating material.
- 1 70. (NEW) The device of claim 68 wherein the trench is disposed on an etch stop
- 2 region.
- 71. (NEW) The device of claim 68 wherein the etch stop region is a silicon nitride
- 2 or silicon dioxide.
- 1 72. (NEW) The device of claim 68 wherein the insulating material is a silicon nitride
- 2 or silicon dioxide.
- 1 73. (NEW) The device of claim 68 wherein the trench surrounds the contact.

- 1 74. (NEW) The device of claim 65 wherein the anchor includes silicon nitride,
- 2 silicon carbide, germanium, silicon/germanium or gallium arsenide.
- 1 75. (NEW) The device of claim 65 wherein the insulation layer includes silicon
- 2 nitride or silicon oxide.
- 1 76. (NEW) The device of claim 65 wherein the insulation layer includes silicon
- 2 oxide and the anchor material includes silicon nitride, silicon carbide, germanium,
- 3 silicon/germanium or gallium arsenide.
- 1 77. (NEW) The device of claim 65 wherein the insulation layer includes silicon
- 2 nitride and the anchor material includes silicon, silicon oxide, silicon carbide, germanium,
- 3 silicon/germanium or gallium arsenide.
- 1 78. (NEW) The device of claim 65 wherein a substantial portion of the fixed
- 2 electrode overlying the anchor material is a monocrystalline silicon.
- 1 79. (NEW) The device of claim 65 wherein a substantial portion of the fixed
- 2 electrode overlying the anchor material is a polycrystalline silicon.